REMARKS

Applicant appreciates the Examiner's indication that claims 5, 6, 18 and 19 would be allowable if rewritten into independent form including all of the limitations of the base claim and any intervening claims. Applicant has rewritten claims 5 and 18 to incorporate the subject matter of their base and intervening claims. Based on the Examiner's indication, such claims should now be allowable. Applicant has also amended certain additional remaining claims to more particularly point out the invention. Applicant requests the Examiner to reconsider and allow this entire case in view of the claim amendments and the following remarks.

The Examiner has asserted in the outstanding Office Action that the applied Balassanian reference teaches downloading an applet including a caching and class loading mechanism. However, applicant is unable to find such disclosure in the reference. In Balassanian's technique, the cache resides on the applet server. See Figure 1 item 24; abstract ("the applet server has a cache which it uses to store applets for distribution to client computers."); column 2 line 18 ("the server architecture also provides a cache for applets...."); and column 4, lines 17 and following ("the cache 24 [on the applet server computer]....").

In contrast to the Balassanian reference, applicant's claimed invention specifically requires that the cache and cache loading mechanism is provided as part of a downloadable applet. As recited in amended claim 1, an applet including instructions that provide a caching and cross-loading mechanism on the client are downloaded from

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the server to the client. The caching and class loading mechanism that the downloaded applet provides on the client is used to retrieve and load additional applet modules on demand. Balassanian does not teach or suggest a downloadable applet that provides a caching and class loading mechanism which, once downloaded, is used to retrieve and load additional applet modules on demand as required by amended claim 1. In Balassanian, the appears to be done on the <u>server</u> side.
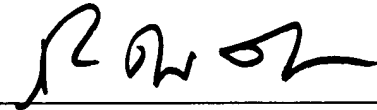
Applicant's other independent claims similarly distinguish over the applied reference. For example, independent claim 14 requires, in combination, "a downloader that downloads, from said server to said client over said computer network, <u>an applet including a caching and class loading mechanism</u>, wherein said caching and class loading mechanism executes <u>on said client</u> to retrieve and load additional applet modules on demand." Independent claim 27 requires "<u>an applet comprising a first stream including a platform-dependent caching mechanism</u>...wherein said platform dependent caching mechanism is used to cache and load...." Independent claim 28 requires, in combination, "<u>downloading a first stream including a platform-dependent caching and loading mechanism</u>...." Independent claim 29 requires, in combination, a downloadable applet "comprising <u>an applet environment</u> that receives, verifies and begins <u>executing a first stream including a platform-dependent caching and loading mechanism</u>...." Independent claim 30 requires, in combination, "<u>downloaded</u> applet classes that <u>maintain a persistent cache and request additional applet classes</u>...." None of these features are taught or suggested by the applied Balassanian reference.

All outstanding issues have been addressed, and the subject application is believed

to be in condition for allowance. Should any minor issues remain outstanding, the

Examiner is requested to contact the undersigned at the telephone number listed below so

that all such issues may be resolved as expeditiously as possible.

Respectfully submitted,

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